
Device and Method for Estimation of an Engine Torque

ABSTRACT:

Alternating torque $\tilde{M}_{kv}(\varphi)$ or the mean indicated pressure P_{mi} is to be determined from the angular velocity ω from the engine speed, for engine management, for example. Charge pressure compensation (5) must be effected in order for a usable result to be obtained. By preference sensor wheel error compensation (2) and inertial force compensation (4) are also effected. The mean indicated pressure P_{mi} is obtained from the alternating torque $\tilde{M}_{kv}(\varphi)$ in a characteristic diagram.